

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Hurricane Sandy - Polrep/Sitrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II**

Subject: SITREP #23
Operation Continues
Hurricane Sandy

Edison, NJ
Latitude: 40.4494047 Longitude: -74.4379073

To: Michael Hoppe, USEPA Region 02, ERRD-RPB

Thru: REOC Deputy Regional Incident Coordinators, Christopher Jimenez (NJ) Laura Casillas (NJ) Anne Kelly (NY) Neil Norrell (NY)

From: REOC Situation Unit Leader, Josie Clark (Day Operations) Gary Newhart (Night Operations)

Date: 11/19/2012

Reporting Period: 0700 hours 11/19/12 thru 1900 hours 11/19/12

Executive Summary

Executive Summary

In coordination with USCG and EPA OSCs, it has been determined that the only remaining areas of NYC that need to be assessed for orphan containers are around Jamaica Bay. EPA will field one team at Coney Island and another at Far Rockaway. USCG teams will cover the perimeter of Jamaica Bay.

As of today, there are no additional drinking water or wastewater treatment facilities that EPA recommends assessing as part of the Hurricane Sandy recovery effort. Future Situation Reports will not include this topic.

EPA participated in a conference call with USACE, NYSDEC, NYCDEP and EPA's Air Program (EPA ABP) regarding the potential curtain burning of vegetative debris at Floyd Bennett Field. The conversation focused on what EPA has set up in the field currently; how to handle an exceedance in particulate levels; who would notify the public of the burn; whether to leave the nearby sports field open; a disposal plan for the ash; and, worker health and safety around the burn. These issues were not resolved, and another call was scheduled for tomorrow at 1330 to discuss them further. The soonest a test burn might occur would be Wednesday.

A coordination meeting was conducted between operations and EPA water program staff to discuss wet weather contingency planning for the main pump station servicing Middlesex County Wastewater Treatment Plant. Further coordination will be conducted between MCUA, NJDEP, EPA operations and EPA water program staff related to the permitting process that will be necessary for MCUA to complete.

After numerous delays at the, the first of the Synagro mobile dewatering centrifuges came on-line at the Passaic Valley Wastewater Treatment Plant at approximately 10:00 today, 11/19/12. The processing area was monitored and a reading between 8-18 ppb of hydrogen sulfide was detected. The deployed SPM's did not exhibit any elevated levels of hydrogen sulfide.

HHW assessment and collection continued in both New Jersey and New York.

The total number of containers of hazardous materials collected in NY and NJ to date is 36,148.

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: Stafford Act	Response Type: Emergency
Response Lead: FEMA	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 10/29/2012	Start Date: 10/29/2012
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:

1.1.1 Incident Category

Hurricane Disaster Response

1.1.2 Site Description

1.1.2.1 Location

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic.

Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk.

1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to

transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments continue at EPA Sites as waters recede, power is restored, and managers are able to access their sites and regulated facilities.

1.2 Incident Objectives

Incident Objectives

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

1.3 Critical Resource Needs

Critical Resource Needs

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. The majority of needs from drinking water and wastewater facilities are the supply of fuel to maintain and operating status. Although a function of Emergency Support Function #3, EPA was been requested to assist in support these needs. Liaison Officers in the State EOCs and the FEMA RRCC continue to coordinate with other ESF partners on addressing these needs.

1.4 Strategic Considerations

Strategic Considerations

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

2. Current Activities

2.1 Operations Section

DIVISION NEW JERSEY

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on 3 November, 2012. On 5 November, 2012 FEMA declared all remaining New Jersey counties eligible for Public Assistance.

NEW JERSEY RESPONSE ACTIONS

Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex and Essex Counties; Hazmat Assessments in Middlesex, Bergen, Monmouth, Cumberland, Salem, Atlantic, and Union Counties; Water Assessment support in Middlesex County; and Mitigation Support in Middlesex, Ocean and Monmouth Counties.

Hazmat Assessment Team (NJ)

Middlesex County

The Hazmat Assessment Team located a large tank at Water Street which did not appear to be impacted by the storm. They also found two drums by Washington Rd that will likely need to be removed. The first one full and sealed with its contents marked. The second one was on its side and the lid had been removed. There was a release of the contents but approximately 25% of its contents (sludge/oily appearance)

remained.

Bergen County

One assessment team reconned potential high-impact residential/commercial areas located in Bergen County near the Hackensack River focusing on areas in Moonachie and Little Ferry but also conducting some limited recon in Hackensack, Teaneck and Ridgefield.

The team contacted NJDEP and Bergen County Health Department before heading out into the field. The County provided contacts for coordinating with the Townships of Moonachie and Little Ferry. The team contacted both Townships via phone and later met with Maryellen Lions, Superintendent of Moonachie Township Department of Public Works, who noted several areas for recon.

While the area sustained severe flooding, the townships have or are in the process of addressing the debris from the residential neighborhoods. The team met with the property managers from two mobile home parks that were impacted by flood waters. One tank containing kerosene for heating one of the trailers displaced during the flood was noted for possible removal by EPA.

OSC Chase will follow-up with the Townships noted above to see whether they need our assistance and confirm whether they are picking up haz-mat, if identified.

Monmouth County

The Assessment Team met with Monmouth County Hazmat team to ground truth items located by boat on 11/17. One item was verified (200 pound propane tank). The team also identified additional areas that need further assessment in Monmouth County (Union Beach portions of the Shrewsbury River, Navesink River, and Swimming River).

Cape May & Cumberland County

The team completed the recon of the eastern storm surge area in Cape May County from the northernmost part of the county to the southern area of Avalon. This closed out all the grids on the eastern side. We did not observe any hazardous material releases.

The team spoke with a resident doing gardening in Sea Isle and provided her a fact sheet with phone numbers she could call if she came across any oil or spills.

The team met with the Supervisor of the Public Works department in Sea Isle City. He said there were no reports of hazardous material releases in Sea Isle. She provided a fact sheet with numbers to call if that changed. Sea Isle public works had already collected household hazardous waste and had it wrapped for pickup. The only known oil tank in Sea Isle was emptied and moved to a secure area at the Public Works Department before the storm surge.

The team visited the OEM of Cape May County and met with the Deputy Director. He said that the only industry in the area is the power generating plant and they were not affected. He said there were no known hazardous material releases on the bay side. There were eleven homes lost at Reeds Beach but no known hazardous material release. The team traveled there to confirm this. They observed some oil tanks for heating of a few trailer homes. None of these homes appear to be impacted by the storm.

The team arrived at Cumberland County OEM office in Bridgeton, NJ in the afternoon. The director was on vacation and the team met with his secretary. She informed the team that there was a loss of homes on the bay side but there have been no hazardous material releases. Gandys Beach community is still without water and sewage. The road to Sea Breeze has been washed away.

She identified areas hit by the storm on a map and provided a map of the storm-surge/flood vulnerability areas which the director prepared. She identified areas on the bay side that have had bulkhead issues and dike issues. She said Army Corp and NJDEP are already involved with it. There are minimal residences in this area. The residences in the storm surge area are close to the bay. There are some marinas, and the rest consists of forest and wetlands. She mentioned that a few of the marinas are state-owned.

Salem County

The team spoke with the OEM Director. He said Salem County had minor damage and only one hazardous materials incident dealing with sheen in a drainage ditch in Pennsgrove. The County Health Department responded and deployed 20 feet of boom across the ditch. The release did not reach the river and went to a pumping station.

The team has cleared all storm surge areas in Cumberland and Cape May County. Based on conversation with the Salem County OEM director, the OSC recommends Salem County be cleared as well. This means that EPA does not need to return to these locations.

Atlantic County

The OSC spoke to a HAZMAT Tech with Atlantic County OEM. She was not aware of any abandoned drums, tanks, or spills requiring EPA assistance. Atlantic County Health Department also knew of no issues. The Atlantic City Health Department informed the OSC of a fuel spill at Stanley Holmes Public Housing Project. An old tank w/ an estimated 5,000 gallons of fuel in a boiler room overflowed when flood waters entered the room. A mix of oil and water was left behind, some of which exited the boiler room. The Health Department had notified the NJ DEP Southern Field Office.

The team traveled back to Barrier Island to assess additional areas. These areas included: Ventnor City, Margate, Atlantic City, and Brigantine. They spoke to Ventnor City and Margate Public Work Departments, and the Ventnor City OEM. They knew of no issues requiring EPA assistance. Most of these areas are residential and local municipalities either conducted the cleanup themselves or hired outside contractors.

The team spoke to Brigantine Director of Public Works, who informed us of a resident with strong petroleum odors in his home. The team traveled to the home and could smell the odors intermittently outside the home. The resident has left the home to stay with family so the team was unable to enter. The nearby marina does not seem to be the source of a release. The team called the resident and provided him with the NJDEP Spill Hotline number to report the odor which he stated he will do immediately.

Additional reconnaissance was conducted in inland areas in Atlantic County that are still in storm surge areas. The team is satisfied that there are no environmental issues in Atlantic County requiring immediate EPA assistance. This means that the EPA does not need to return to Atlantic County and will standby until NJ DEP requests assistance.

Union County

The Assessment Team contacted Union County OEM, who will contact EPA with a list of areas where abandoned drums, areas of concern, etc. have been identified. Depending on the information provided several areas of Union County will be closed out. This means that EPA will not need to re-visit these areas.

Hazmat Mitigation Team (NJ)

Middlesex/Ocean County

The Hazmat Mitigation Team traveled to Beachwood where 30 gal of home heating oil was pumped from a tank and the tank was left in place. They also performed recon in Seaside Heights where two 55 gal drums of cooking oil were found that will need to be scheduled for retrieval. In Perth Amboy a partial drum of hydraulic oil was discovered and retrieved by the ERRS crew. The crew also found a partially-filled perforated drum containing a semi-solid material that yielded high VOC readings. The drum was over-packed and removed by the ERRS crew.

Monmouth County

A Mitigation Team was deployed to the location of future hazmat staging area for Monmouth County. Location is at former NJ DOT office building parking lot along Daniels Way in Freehold, NJ. Verbal access was given on 11/18/12. The access agreement has not yet been signed and this is being worked at JFO level. The area is to include a pad for containers brought in from the field to be secured against spills/discharges to the environment before final disposition. Because the area is unsecured containers will be placed into storage boxes that are not yet on site. The ERRS contractor initiated and completed installation of the hazmat staging location.

NJ Incident Summary Table

Below is a summary table for NJ Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/19/2012. The table includes the materials involved.

New Jersey Incidents			
Number of Notifications to EPA via NRC			
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	2	182	184
Other	0	7	7
Haz	0	3	3
Operational Period Total	2	192	194

Wastewater Facilities (NJ)

Passaic Valley Sewerage Commission (PVSC)

PVSC continues to make significant progress towards restoration of the facility to pre-storm removal efficiencies. The majority of the final clarifiers & sludge removal mechanisms are operational, one Zimpro sludge dewatering unit is operational and a second unit is anticipated to come on-line shortly.

After numerous delays, the first of the Synagro mobile dewatering centrifuges came on-line at approximately 10:00 today, 11/19/12. The processing area was monitored and a reading between 8-18 ppb of hydrogen sulfide was detected. The deployed SPM's did not exhibit any elevated levels of hydrogen sulfide. During the day, all the battery powered monitors were replaced with fully charged cells. At 15:00 the second centrifuge was started. The processing area was scanned for hydrogen sulfide and showed a concentration between 6-7 ppb. The second centrifuge was later stopped because not enough sludge is coming in to the system. At 1530 NJDEP requested to relocate 197 (Fenceline NW-1) and this was done by EPA and SERAS. As of 1600 all ten Viper/SPM's were operational.

The mobile dewatering centrifuges are expected to operate for a period of two weeks during which time PVSC will complete the repair and re-energization of their in-house centrifuges and Zimpro dewatering systems. EPA/ERT's air monitoring program is being implemented to ensure that the surrounding communities are not being adversely impacted. All air monitoring results are being forwarded to NJDEP for public dissemination.

ERRS conducted day-time power-washing operations today. These activities are being conducted in coordination with PVSC to augment PVSCs cleanout of the impacted tunnels and basements.

OSHA representatives were on-site to provide recommendations to both PVSC and EPA and their respective contractors.

Middlesex County Utility Authority

The ERRS crew continued spray cleaning of the MCUA pump houses. Approximately two weeks of spray cleaning work remains. OSHA conducted monitoring of carbon monoxide, hydrogen sulfide, and noise levels.

A coordination meeting was conducted between operations and EPA water program staff to discuss wet weather contingency planning for the main pump station servicing MCUA. Further coordination will be conducted between MCUA, NJDEP, EPA operations and EPA water program staff related to the permitting process that will be necessary for MCUA to complete.

New Jersey Hazardous Waste Summary *						Operational Period:		
11/19/2012						Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)			
Vineland Container Storage Facility	0	0	0	0	0	0	0	24
Lakewood HHW**	36	0	1	0	4	1	42	69
Daily Total	42							
Cumulative Total	93							

* all counts based on initial intake locations

** location cumulative is higher than anticipated due to late reporting of the previous day's counts

DIVISION NEW YORK

Thirteen counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, and Westchester.

- EPA continued to support USCG efforts at the Staten Island EOC.
- Recovery teams continued to collect and stage HHW at locations in Staten Island, Queens, Nassau County, Suffolk County, and the Port of Coeymans.
- Recovery teams conducted HHW and orphaned container collection in Sheepshead Bay and Coney Island, Brooklyn.

NEW YORK RESPONSE ACTIONS

New York City

Assessment Teams (NY)

In USCG Sector New York, eight EPA contractors and one OSC were onsite to assist USCG with hazmat assessments along the shoreline. EPA continues to coordinate with USCG, NJDEP, NYSDEC, and NYCDEP.

NYC Debris Management Plan

There have been no significant changes in NYC's policy relating to debris management. As of 18:00, NYC had still not decided whether to approve a test of the curtain burn at Floyd Bennett Field. Changes at Floyd Bennett Field today will be covered in the location specific section below.

The final disposal location for all debris handled by USACE is the Seneca Meadows Landfill in Waterloo, NY and the Grows North Landfill in Morrisville, PA. Following EPA assessments of the Seneca Meadows Landfill, it was determined that the facility is adequate to handle the material from NYC. The facility is technologically capable to recycle and properly dispose of material. No EPA assistance will be necessary at this facility.

Jacob Riis Park (Queens)

HHW continued to be collected, segregated, and staged for transportation and disposal at the Jacob Riis HHW collection site. Approximately 3,000 cubic yards of debris material was sifted for HHW. ERRS has established operations at the new staging area and retained the footprint of the old staging area, where the DSNY and ECC have again started to off-load more debris. ERRS expects to re-establish at the old staging area soon, depending on how the work progresses on site.

Fresh Kills Landfill (Staten Island)

Staging and segregation of HHW continue in the NYC Department of Sanitation indoor garage building at Fresh Kills Plant #1, utilizing containment cells consisting of poly sheeting and absorbent boom. Compressed gas cylinders were collected in an outdoor staging area. Plant #1 continued to receive orphaned containers collected by ERRS and NYCDEP personnel from all five NYC boroughs and to stage them for characterization and disposal.

EPA recovery teams collected HHW at various locations in Sheepshead Bay and Coney Island, Brooklyn. Items were transported to Fresh Kills Landfill.

This afternoon, Fresh Kills announced they would implement their policy of not allowing waste from other boroughs to be disposed of on Staten Island. This will significantly reduce the amount of comingled debris that comes to Fresh Kills. EPA is shelving plans to stand up a second HHW segregating site at Fresh Kills. EPA will continue to operate its existing HHW pad at Fresh Kills, and will continue to consolidate HHW from other collection pads at Fresh Kills for packaging and shipment.

Father Capodanno (Staten Island)

HHW collection and segregation operations continued at the Father Capodanno dump site. ERRS separated 408 containers during this time period for HHW disposal. Due to the late afternoon closure of Fresh Kills to debris from locations outside of Staten Island, NYC is redirecting comingled debris to Father Capodanno. EPA is not sure what the exact impact will be.

Floyd Bennett Field (NO CHANGE)

The Floyd Bennett Field area contains four staged piles of vegetative waste: one large pile handled by USACE, one large pile handled by NYC Department of Parks and Recreation, and two smaller piles of comingled vegetative and municipal waste being sent to the Jacob Riis Park facility for disposal. USACE is preparing to begin operation of air curtain incinerators to dispose of the vegetative waste. One air curtain incinerator is onsite, and three more are en route. The NYPD and FDNY have given approval for the proposed burning operation. As of 18:00 on 11/19/12, NYC has not yet given final approval for the proposed burning operation. EPA is still advocating re-use or composting for the vegetative debris. Please see the text above directly under the "NYC Debris Management Planning" heading for additional details.

EPA was at Floyd Bennett Park today and completed setting up 8 air monitors which can be used to determine the quantity of particulates that leaves the area if the burn is conducted. EPA also participated in a conference call discussing activities at the Floyd Bennett Park.

Port of Albany and Port of Coeymans

HHW collection during waste offloading from barges continued at the Port of Coeymans. Operations at the Port of Albany have not begun pending final execution of the contract between USACE, ECC, and the Port of Albany.

Rockaways Beach Sand Reuse at the Mariner's Beach Park (NO CHANGE)

Due to Hurricane Sandy, a large volume of beach sand washed into the Rockaways community, creating significant sand disposal problems. The City of New York has proposed to reuse some of the sand as capping material for the Mariner's March Park cleanup project. The City intends to use EPA brownfields cleanup grant funds to truck compliant sand to Mariner's Marsh Park from the Rockaways. This would allow the City to build more park area, between 2.5 and 5 acres instead of 0.4 acres as originally planned. The City has submitted a beach sand reuse plan to NYSDEC for review and approval. Approximately 30 sand samples were collected by EPA on 11/16/12. Sample results are expected on 11/21/12 and 11/23/12.

Nassau County

EPA recovery teams continue to recover HHW from communities north of Long Beach. Segregation for Nassau County HHW operations

continued at the Lido Beach staging pad. EPA recovery teams have begun removal of boxed HHW from the Knickersen Beach Park staging area and transporting to Staten Island.

EPA continues to work with NYSDEC and local official in responding to reports of orphan containers, primarily along the waterfront.

Suffolk County

EPA recovery teams continued HHW recovery utilizing four HHW staging pads in Babylon, Islip, Riverhead, and Patchogue.

Helicopter overflight was provided by Suffolk County Police Department to identify orphaned containers along the coast. Areas covered today:

- From the county line eastward to Smith Point on the barrier island; also from the county line to Islip along the southern shore.
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NY Incident Summary Table

Below is a summary table for NY Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/19/2012. The table includes the materials involved.

New York Incidents			
Number of Notifications to EPA			
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	7	124	131
Other	0	16	16
Haz	0	0	0
Operational Period Total	7	140	147

New York Hazardous Waste Summary *						Operational Period:		
11/19/2012								
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Cedar Grove Staging Area	0	0	0	0	0	0	0	284
Fr. Capadano Park, Staten Island	0	8	0	0	0	296	304	2077
Fresh Kills Landfill Plant #1	0	0	0	0	0	0	0	361
Fresh Kills Landfill Plant #2	0	10	18	40	0	133	201	1952
Islip Multipurpose Recycling Facility	0	1	0	0	0	147	148	444
Jacob Riis Park, Queens, NY	1	14	2	5	0	249	271	3158
Nickerson Park	4	32	14	4	0	0	54	19467
Old Bethpage Landfill and Recycling Center	0	1	5	0	0	1049	1055	2046
Patchogue WWTP	0	0	0	1	0	17	18	518
Patchogue WWTP (Mastic Beach)	2	4	0	2	0	58	66	368
Riverhead Collection Area	0	0	0	0	0	21	21	84
Port of Coeymans	0	3	10	0	0	17	30	85
Venetian Shores Park	0	18	10	0	2	508	538	5211
Daily Total	2706							
Cumulative Total	36055							

Cumulative Hazardous Waste Summary *						Operational Period:		
11/19/2012								
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	State Cumulative
New York	7	91	59	52	2	2495	2706	36055
New Jersey	36	0	1	0	4	1	42	93
Op-Period Totals	43	91	60	52	6	2496	2748	
Cumulative Totals	207	707	518	319	83	34314		
Daily Total	2748							
Grand Cumulative	36148							

NIGHT OPERATIONS:

The Situation Report was completed and delivered at 23:00.

REGULATED FACILITIES

A spreadsheet has been developed to track the status of facilities possibly impacted by Hurricane Sandy. This information includes facility contact person information, latitude and longitude, and description of release circumstances and cleanup efforts, and whether any EPA assistance is requested. The marker for EPA assistance is whether a regulated substance has been released into navigable waters and/or the environment. The following table summarizes phone calls and emails in targeted impacted areas of New Jersey and New York.

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	67	63	4
RMP	30	28	0
SPCC, Marinas, & Other Oil	265	255	0
Total	362	346	4

The four FRP facilities that reported releases are the Kinder Morgan Carteret Terminal, Phillips 66 Bayway, EH Werner, and the Motiva Sewaren facility. These sites are actively addressed with NJDEP and USCG. An OSC has visited Phillips 66 Bayway and Motiva Sewaren to monitor cleanup efforts and provide assistance.

In addition to an email distribution by the New York Marine Trades Association and Marine Trades Association of New Jersey to over 425 members, the Region is actively involved in contacting and reaching potentially impacted marinas via telephone and emails. Marinas are being reminded to contact the NRC to report spills, sheens, and lost oil tanks and containers. The Region is evaluating all marinas damage assessment responses in order to determine appropriate follow-up.

Damage assessment results have been received, via email, by most registered RMP and FRP facilities in New Jersey and New York. The Region is evaluating all damage assessment responses in order to determine appropriate follow-up.

Compliance assistance concerns are being actively addressed for RMP, FRP, SPCC, Marinas, and Other Oil facilities.

RCRA Corrective Action Sites

State/County	Facilities	Facilities Contacted by EPA or State	Facilities Visited by EPA	Issues Reported by Facility, State or EPA
New Jersey (1A) – Middlesex, Monmouth, Union, Passaic, Somerset, Hudson, Bergen, and Essex Counties<Subset of EPA-lead facilities>	55 <6>	49 <6>	4 <2>	9 <1>
New Jersey (1B) – storm surge areas in Salem, Burlington, Gloucester, and Camden Counties <Subset of EPA-lead facilities>	17 <6>	15 <6>	0 <0>	0 <0>
New Jersey (2) – facilities in other counties/non-storm surge areas <Subset of EPA-lead facilities>	34 <1>	32 <1>	0 <0>	0 <0>
New Jersey Totals<Subset of EPA-lead facilities>	106<13>	96<13>	3<2>	9<1>
New York (1) - All NYC, Nassau, Suffolk, Westchester, and Rockland Counties	37	37	37	3
New York (2) – Ulster, Sullivan, Orange and Putnam Counties	16	0	0	0
New York Totals	37	37	37	3

Two additional facilities were added to the "Facilities Visited by EPA" column of the above table to reflect visits performed by other programs: Phillips 66-Exxon Bayway (ERRD-RSP), and Con Edison Astoria (DECA-RCB).

Today CASD deployed a team of 2 corrective action project managers to assess 6 targeted facilities in Queens (LIRR Morris Park, Safety-Kleen Woodside and Triumvirate) and Nassau (Fairchild Republic, Photocircuits and Sport Stamp). No issues were reported for these facilities.

All 37 facilities in the original 9 declared counties have now been assessed. However, since four additional counties in New York State (Ulster, Sullivan, Orange and Putnam) are now declared counties, additional teams will be deployed to assess 16 RCRA corrective action facilities in these counties (7 are in Ulster County and 9 are in Orange County).

Tomorrow CASD will deploy 2 teams to assess 10 targeted EPA-lead corrective action facilities in New Jersey. The subset of EPA-lead facilities are numerically broken out as "< >" in New Jersey areas 1A, 1B, and 2 in the table, above.

2.2 Planning Section

PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is

being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

The Environmental Unit

(1) Ambient water sampling in Newark Bay/NY Harbor is proposed for Wednesday November 21, 2012 using EPA Vessel Clean Waters to reassess bacteria levels in surface water. EPA Region 2 will resample the same locations previously sampled on November 13, 2012.

(2) At PVSC air monitoring, all of the ten (10) air monitors ran the complete twenty-four hour sampling period. No exceedances were reported.

(3) The QAPP for curtain burning air monitoring support activities at Floyd Bennett Field is completed and all approval signatures obtained on November 19, 2012. All 8 particulate monitors were on line and reporting data by late afternoon on 11/19/12. Pre-burn sample collection for VOCs, PAHs and metals is proposed for November 20, 2012.

(4) Samples were collected from the Passaic River location in Kearny, NJ on November 19, 2012. Samples have been delivered by EPA Region 2 personnel to the following labs: EPA Region 2 Edison Laboratory for analyses of VOCs, SVOCs, metals, Pesticides/PCBs, total coliform bacteria, and escherichia coliform bacteria; Lancaster Labs for analyses of GRO/DRO and TPH. Samples were shipped from EPA Region 2 Lab to Cape Fear Labs in North Carolina for Dioxins/Furans analyses. Validated results are expected in 7 to 10 days.

2.3 Logistics Section

Logistics

The Logistics Chief decided to establish a block of rooms in Long Island, NY and Edison, NJ to support EPA responders who rotate in to support the Hurricane response. The logistics team will work with FEMA on this. Logistics has also arranged to borrow the R3 Mobile Command Post (MCP), and it is on its way now. The R2 MCP that has been in Pittsburgh for repairs will be collected by a R3 OSC and driven to Edison next week.

2.4 Finance Section

FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/19/2012 @ 1330 hours;

Region, State	Agreement #, Current Expiration Date	Initial Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01, Expires 12/13/12	10/31/2012	\$400,000.00	\$325,821.07	\$16,291.05	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02, Expires 12/10/12	11/2/2012	\$2,000,000.00	\$324,145.72	\$18,008.10	Drinking & Wastewater Assistance
Region 2, New Jersey	4086DR-NJ-EPA-03, Expires 12/10/12	11/4/2012	\$1,675,000.00	\$253,216.32	\$14,895.08	Technical Assistance for Environmental Assessments
Region 2 New Jersey	4086DR-NJ-EPA-04, Expires 03/02/13	11/3/2012	\$3,500,000.00	\$485,629.36	\$28,566.43	Direct Federal Assistance for oil/hazmat field ops
Region 2 New Jersey	4086DR-NJ-EPA-05, Expires 12/08/12	11/08/2012	\$1,275,000.00	\$370,822.18	\$16,122.70	REOC
Region 2 New York	4085DR-NY-EPA-02, Expires 12/30/12	11/04/2012	\$2,400,000.00	\$780,733.54	\$39,036.68	ESF-10 EOC deployment and assessment assistance in NY
Region 2 New York	4085DR-NY-EPA-01, Expires 12/01/12	11/2/2012	\$300,000.00	\$25,620.46	\$1,423.36	Drinking & Wastewater Assistance
Region 2 New York	4085DR-NY-EPA-04, Expires 12/04/12	11/7/2012	\$3,100,000.00	\$405,731.84	\$27,048.79	Technical Assistance for Environmental Assessments
Region 2 New York	4085DR-NY-EPA-03, Expires 12/01/12	11/7/2012	\$7,600,000.00	\$1,648,157.04	\$96,950.41	Direct Federal Assistance for oil/hazmat field ops
Region 2 New York	4085DR-NY-EPA-05, Expires 12/05/12	11/09/12	\$75,000.00	\$996.00	\$43.30	Dewatering Ops
TOTALS			\$22,330,000.00	\$4,631,005.12	\$201,348.05	

2.5.1 Safety Officer

2.5.2 Liaison Officer

2.5.3 Information Officer

3. Participating Entities

3.2 Cooperating Agencies

4. Personnel On Site

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			58	37	95
New York	16	140			156
New Jersey	11	42			53
Total	27	182	58	37	304

Number of EPA Personnel Deployed to Region 2 - Hurricane Sandy

[illegible]

Region 4	1	0	0	0	0	0	0	0	0	1
Region 5	2	0	0	0	0	0	0	0	0	2
Region 6	4	0	0	1	0	0	0	0	0	5
Region 7	2	0	0	0	0	0	0	0	0	2
Region 8	0	0	0	0	0	0	0	0	0	0
Region 9	0	0	0	0	0	0	0	0	0	0
Region 10	0	0	0	0	0	0	0	1	1	2
HQ	0	0	0	0	0	0	0	0	0	0
Special Teams	0	0	0	0	1	0	0	3	1	5
Total by job title	22	0	0	1	1	0	0	6	3	33

5. Definition of Terms

Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

6. Additional sources of information

It is believed that all community drinking water and wastewater treatment system assessments have been completed. Therefore, these data will no longer be reported.

ADDITIONAL INFORMATION:

WEBSITE: <http://www.epaosc.org/HurricaneSandy>

INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: www.epaosc.net, click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

FlexViewer :

WEBSITE: http://www.epa.gov/geospatial/ermaps/Region2_HurricaneSandy/

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Commander (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Commander (DRIC) for NY, Anne Kelly	212-637-4397
Deputy Regional Incident Commander (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Commander (DRIC) for NJ, Laura Casillas	215-779-4898
FEMA IMAT (Albany), Michael Solecki, OSC	908-420-4501

NJ EOC (Trenton), Carl Pellegrino, OSC	908- 420-4491
FEMA RRCC(Colts Neck), Steve Touw, OSC	908-420-4458
NYC OEM (Brooklyn), Margaret Chong, OSC	908-420-4477
UC USCG (Staten Island), Ellen Banner	908-420-4462

REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaossc.org/HurricaneSandy.

7. Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaossc.org/HurricaneSandy.